

**ABSTRACT**

An exhaust gas processing method comprises making exhaust gas, exhausted from a coal burning boiler or an LNG burning boiler, flow through coolant to cool it to  
5 such a first temperature as to liquefy or solidify nitrogen oxides or sulfur oxides without solidifying carbon dioxide, thereby liquefying or solidifying nitrogen oxides or sulfur oxides as toxic gas components contained in the exhaust gas to separate them from the  
10 exhaust gas; removing moisture contained in the exhaust gas; and cooling the exhaust gas to such a second temperature as to solidify carbon dioxide, thereby solidifying carbon dioxide contained in the exhaust gas to separate it from the exhaust gas.